
JAPAN WOMEN'S UNIVERSITY
Faculty of Science
Follow Your Dreams to a Bright Future
Bloom as a leader.
SINCE 1901
Japan Women's University

Our Recommended Classes

We are the navigators.

I study every day to become a mathematics teacher who can bring mathematics to life and show how fascinating it can be.

Maiko
Junior, Department of Mathematical and Physical Sciences

In the future, I want to have a job that allows me to use my knowledge of chemistry to contribute to society.

Romu
Junior, Department of Chemical and Biological Sciences

I want to find a job in which I am involved in turning points of people's lives, so I have decided to work in a real estate company.

Ai
Senior, Department of Chemical and Biological Sciences

My studies focus on wireless telecommunications, and I want to stay involved in that field, so I look forward to working in a corporate research institute.

Sakie
2nd Year Master's Candidate, Graduate School of Science, Division of Mathematical and Physical Sciences

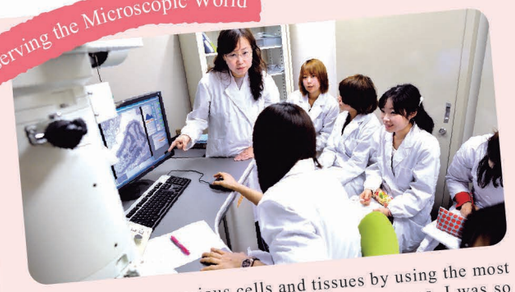
Experiments in Inorganic and Analytical Chemistry

Cloisonné ware is a traditional craft technique. In this class, you will experiment with the creation of cloisonné through the study of chemistry.
The experiments will teach you about the compounds used as coloring components of cloisonné ware and how chemical reactions occur in the production process.

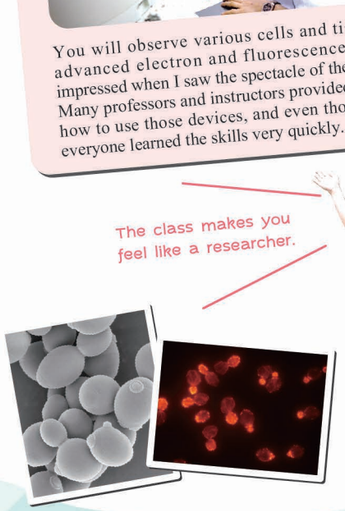
Researching the composition of substances through light absorption is a lot of fun.

My recommended Chemistry Class

Observing the Microscopic World



You will observe various cells and tissues by using the most advanced electron and fluorescence microscopes. I was so impressed when I saw the spectacle of the beautiful micro-world. Many professors and instructors provided very thorough training on how to use those devices, and even though they are complicated, everyone learned the skills very quickly.



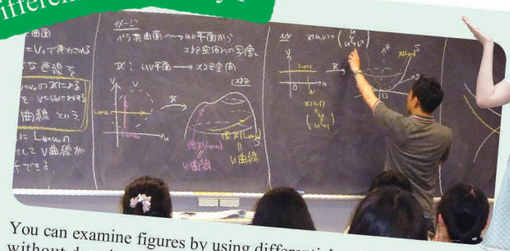
The class makes you feel like a researcher.

My recommended Biology Class

My recommended Mathematics Class

You will gain a much deeper knowledge of mathematics.

Differential Geometry I

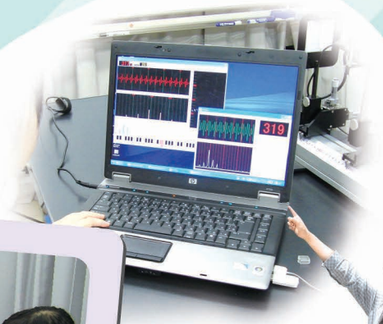


You can examine figures by using differential and integral calculus, without drawing them or even looking at them directly. At the university level, in many cases, it is difficult to draw figures expressed by complicated numerical equations. But it is very attractive to capture features by using differential and integral calculus. The course is hard, but don't worry, the professor will explain everything in an easy-to-understand way.

Physics Experiment II

You will learn various physics phenomena such as Fourier transform, luminescence, photoelectric effects, and polarization. You can experience physical phenomena in a way that's impossible in a classroom or lecture setting, and gain a much deeper understanding of these phenomena.

My recommended Physics Class

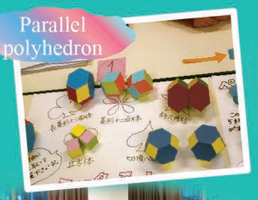


I feel great when my experimental results match my theoretical values.

Mejiro-sai Festival

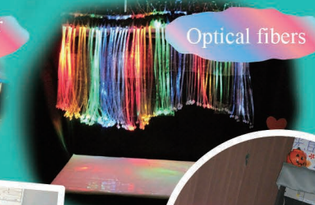
At the Mejiro-sai Festival, sophomores and juniors are the main research presenters.
They do research on their own time during summer vacation and after class, and present the results to festival visitors. At these lectures, you will have opportunities to experience many things you would never encounter otherwise.

Parallel polyhedron



Silver mirror reaction

Optical fibers



Microscope observation

Generating electricity by pedaling a bicycle

Optical wireless communication

Our Campus Life

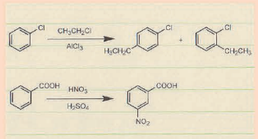
A Week in the Life of a Freshman in the Department of Mathematical and Physical Sciences

We do a lot of fun things, even though some of classes and assignments are difficult.

7:30 Wake up
8:30 Leave home

My first class of the day is during 2nd period, so I can take my time getting to school. Since I have a long commute to school, I can make effective use of that time by reading a book or preparing for experiments while I am on the train.

2nd Period
Organic Chemistry
Seminar I
10:40 ~ 12:10



I put a lot of effort into the assignments I have to submit every week.

Lunch Break

I have lunch with my friends in the campus cafeteria.

3rd and 4th Periods
Physical Chemistry
Experiment I
13:00 ~16:10

I spend some time analyzing data from the experiments and writing a lab report in the PC room. After that, I sometimes take a coffer break before my next class.

5th Period
Chemical and
Biological Sciences
Preliminary Seminar I
16:20 ~17:50

It is a small group class with about 10 students, and we take turns reading English reference materials.

A Week in the Life of a Freshman in the Department of Mathematical and Physical Sciences

Second Half Term Schedule

Period	1st	2nd	3rd	4th	5th
Mon	Programming practice	Basic English I	German I	Part-time job teaching at cram school	
Tue	Physics and Technology	Working on assigned report at the library	Analysis II	Problems session in Analysis II	Educational Theory
Wed		History of Mathematics	Physics Basic Experiment II		Free time
Thu	Introduction to Physics II	Introduction to Computer Systems	Mathematics club activities in the Mathematics Library		
Fri		Physical Exercise I	Linear Algebra	Linear Algebras II seminar	Basic English II

My weekends consist of fun activities like hanging out with my friends and working at my part-time job.

Library

Mathematics Club activities

Co-op

Using my free time to work on a paper

A Week in the Life of a Junior in the Department of Chemical and Biological Sciences

First Half Term Schedule

Period	1st	2nd	3rd	4th	5th
Mon		Animal Physiology II	Plant Molecular Physiology	Working on a report in the PC room	Chemical and Biological Sciences Preliminary Seminar II
Tue	Environmental Science I	Physical Chemistry I	Electron Microscopy	Conservation Biology	Club activities
Wed	Mathematics and Nature	Bio Technology Advanced Course	Experiment in Plant Physiology		Preparing for class, writing a paper
Thu	Part-time job at café		Free time		
Fri	Part-time job at café	Plant Physiology I	Experiment in Animal Physiology		Club activities
Sat		Geoscience I	Free time		Part-time job teaching at cram school

PC room

Lounge

I attend classes on Saturday and take Thursday off.

A Year in a Mathematics and Physical Sciences Laboratory

April

The seminar for new seniors begins.

May

At events like futsal (indoor soccer) games and barbecues, you will have opportunities to meet with students from other universities.

August

You have the opportunity to participate in an international conference in Korea. The question-and-answer session is held in English. This is a very valuable opportunity.

September

All students make a presentation about their research. You will have fond memories of sightseeing in the city where you do your presentation.

November

You will have opportunities to exchange ideas and engage in dialogue with students in other laboratories on a regular basis.

December

A midterm lab presentation is held, as well as a Japan-Korea symposium to promote exchanges with local students.

February

You will showcase your research results when you present your graduation thesis or Master's thesis.

March

After the graduation ceremony at Nishi-ikuta Naruse Auditorium, a reception is held at a different location.

And a variety of other events...

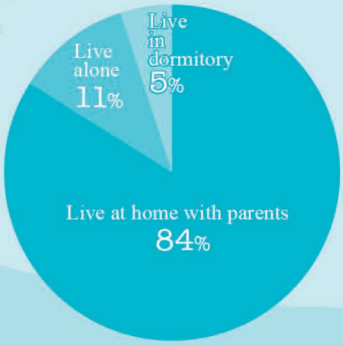
Birthday party

Plenty of food on hand

You will have a wide variety of experiences through various events, allowing you to have a fruitful year.

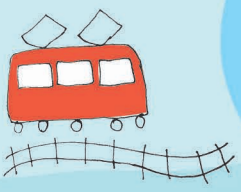
Does a university student live alone?

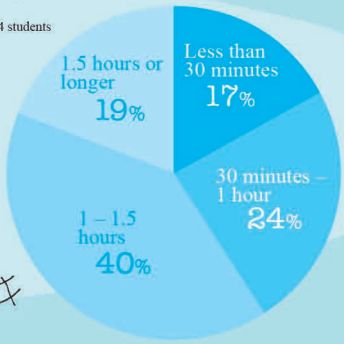
Source:
Results from a survey of 174 students in "University Guide 2015"



How long is your commute time?

Source:
Results from a survey of 174 students in "University Guide 2015"





A dormitory is available on the Mejiro campus.

We asked Department of Science students who live there to share some thoughts on dorm life.

○ Upperclassmen taught me how to write up a lab report on an experiment and master numerical processing methods.

○ Some of the seniors taught me what to expect on tests based on trends in the past exams, which really helped me study more effectively.

○ The dormitory is close to the university, so the commute is really short and I can use my time more effectively.

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▼For details, visit us online at:
URL http://www.jwu.ac.jp/unv/faculty_department/science/about/
For more information on entrance exam guidelines,
send in the card on the last page of the faculty guide (Guide 2017).

The brochure is based on the 2015 Japanese version and reflects information available at that time.